Adventures in Aeronautics			
2006 Mathematics			
Core Content for Assessment			
Kentucky Mathematics			
Grades K-3			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	KY	MA.K-3.MA-EP-1.1.3	Students will compare (<, >, =) and order whole numbers to whole numbers, decimals to decimals (as money only) and fractions to fractions (limited to pictorial representations).
Adventures in Aeronautics	KY	MA.K-3.MA-EP-1.2.1	Students will apply and describe appropriate strategies for estimating quantities of objects and computational results (limited to addition and subtraction).
Adventures in Aeronautics	KY	MA.K-3.MA-EP-1.3.1.a	Students will analyze real-world problems to identify appropriate representations using mathematical operations, and will apply operations to solve real-world problems with the following constraints add and subtract whole numbers with three digits or less
Adventures in Aeronautics	KY	MA.K-3.MA-EP-2.1.1.a	Students will apply standard units to measure length (to the nearest half-inch or the nearest centimeter) and to determine weight (nearest pound)
Adventures in Aeronautics	KY	MA.K-3.MA-EP-2.1.4	Students will use nonstandard and standard units of measurement to identify measurable attributes of an object (length – in, cm; weight – oz, lb) and make an estimate using appropriate units of measurement.
Adventures in Aeronautics	KY	MA.K-3.MA-EP-2.1.5	Students will use units of measurement to describe and compare attributes of objects to include length (in, cm), width, height, money (cost), temperature (F) and weight (oz, lb), and sort objects and compare attributes by shape, size and color.
Adventures in Aeronautics	KY	MA.K-3.MA-EP-2.1.6	Students will estimate weight, length, perimeter, area, angle measures and time using appropriate units of measurement.
Adventures in Aeronautics	KY	MA.K-3.MA-EP-2.2.1	Students will describe, define, give examples of and use to solve real-world and mathematical problems nonstandard and standard (U.S. Customary, metric) units of measurement to include length (in., cm.), time, money, temperature (Fahrenheit) and weight (oz., lb).
Adventures in Aeronautics	KY	MA.K-3.MA-EP-2.2.2	Students will determine elapsed time by half hours.
Adventures in Aeronautics	KY	MA.K-3.MA-EP-2.2.3	Students will convert units within the same measurement system including money (dollars, cents), time (minutes, hours, days, weeks, months), weight (ounce, pound) and length (inch, foot).
Adventures in Aeronautics			

2006 Mathematics			
Core Content for Assessment			
Kentucky Mathematics			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	KY	MA.4.MA-04-1.1.3	Students will compare (<, >, =) and order whole numbers, commonly used fractions and decimals, and explain the relationships (equivalence, order) between and among them.
Adventures in Aeronautics	KY	MA.4.MA-04-1.3.1.a	Students will analyze real-world problems to identify appropriate representations using mathematical operations, and will apply operations to solve real-world problems with the following constraints add and subtract whole numbers with four digits or less
Adventures in Aeronautics	KY	MA.4.MA-04-1.3.1.b	Students will analyze real-world problems to identify appropriate representations using mathematical operations, and will apply operations to solve real-world problems with the following constraints multiply whole numbers with two digits or less
Adventures in Aeronautics	KY	MA.4.MA-04-2.1.1.a	Students will apply standard units to measure length (to the nearest quarter-inch or the nearest centimeter) and to determine weight (ounce, pound; gram, kilogram)
Adventures in Aeronautics	KY	MA.4.MA-04-2.1.1.d	Students will apply standard units to measure length (to the nearest quarter-inch or the nearest centimeter) and to determine time (nearest five minutes) and
Adventures in Aeronautics	KY	MA.4.MA-04-2.1.4	Students will use measurements to describe and compare attributes of objects to include length (in, ft, yd, mile; cm, m, km), width, height, money (cost), temperature and weight (oz, lb, ton; g, kg); sort objects and compare attributes of objects.
Adventures in Aeronautics	KY	MA.4.MA-04-2.1.6	Students will estimate weight, length, perimeter, area, angle measures and time using appropriate units of measurement.
Adventures in Aeronautics	KY	MA.4.MA-04-2.2.2	Students will determine elapsed time to the nearest quarter hour.
Adventures in Aeronautics	KY	MA.4.MA-04-2.2.3	Students will convert units within the same measurement system, including money, time (seconds, minutes, hours, days, weeks, months, years), weight (ounces, pounds) and length (inches, feet, yards).
Adventures in Aeronautics			
2006 Mathematics			
Core Content for Assessment			
Kentucky Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	

Adventures in Aeronautics	KY	MA.5.MA-05-1.1.3	Students will compare (<, >, =) and order whole numbers, fractions and decimals, and explain the relationships (equivalence, order) between and among them.
Adventures in Aeronautics	KY	MA.5.MA-05-1.3.1.a	Students will analyze real-world problems to identify appropriate representations using mathematical operations, and will apply operations to solve real-world problems with the following constraints add, subtract, multiply, and divide whole numbers (less than 100,000,000), using technology where appropriate
Adventures in Aeronautics	KY	MA.5.MA-05-2.1.1.a	Students will apply standard units to measure length (to the nearest eighth-inch or the nearest centimeter) and to determine weight (ounce, pound; gram, kilogram)
Adventures in Aeronautics	KY	MA.5.MA-05-2.1.1.d	Students will apply standard units to measure length (to the nearest eighth-inch or the nearest centimeter) and to determine time (nearest minute)
Adventures in Aeronautics	KY	MA.5.MA-05-2.1.6	Students will estimate weight, length, perimeter, area, angle measures and time using appropriate units of measurement.
Adventures in Aeronautics	KY	MA.5.MA-05-2.2.1	Students will determine elapsed time.
Adventures in Aeronautics	KY	MA.5.MA-05-2.2.3	Students will convert units within the same measurement system [U.S. customary (inches, feet, yards, miles; ounces, pounds, tons), metric (millimeters, centimeters, meters, kilometers; grams, kilograms), money, or time] and use the units to solve problems.